

Illinois Environmental Protection Agency

Division of Water Pollution Control

2200 Churchill Road

Springfield, Illinois 62706

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

EPA Region 5 Records Ctr.



307714

LTV Steel

Expiration Date: January 1, 1990

Issue Date: December 31, 1984
Effective Date: January 30, 1985

Name and Address of Permittee:

Republic Steel Corporation
Post Office Box 6778
Cleveland, Ohio 44101

Facility Name and Address:

Republic Steel Corporation
11600 S. Burley Avenue
Chicago, Illinois 60617
Cook County

Discharge Number and Name:

Receiving Waters

001 Emergency bypass of
treatment Plants 1 and 2
and storm water sewer

Calumet River

002 Alternate blowdown
discharge and/or
process water overflow

Calumet River

003 Uncontaminated storm water
runoff

Calumet River

004 Non-contact cooling water discharge
and stormwater

Calumet River

005 Emergency bypass of deep bed
filters and storm sewer

Calumet River

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C and/or Subtitle D Rules and Regulations of the Illinois Pollution Control Board, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

Effluent Limitations and Monitoring

	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		

From the effective date of this permit until January 1, 2000, the effluent of the following dischargers shall be monitored and limited at all times as follows:

Outfall(s): 002, 005

					Measure (per month)
pH	See Special Condition No. 1			*	Grab
Temperature	See Special Condition No. 2			*	Grab
Total Suspended Solids	414**	882**	15	30	* Grab
Fats, oil and grease	414**	882**	15	30	* Grab
Iron	55.2*	117**	2.0	4.0	* Grab
Lead	2.866**	9.356**	0.2	0.4	* Grab
Zinc	4.273**	12.896**	1.0	2.0	* Grab

*Sampling frequency shall be 1/day when process water is discharged to the Calumet River due to an overflow condition, as a result of an emergency bypass or as a result of a "load shedding" test. If the treated process water blowdown is discharged through Outfall 002 to the Calumet River instead of the MSDGC sewer system on a continual basis, sampling frequency shall be 1/week.

**The load limits listed above apply only to Outfall 002.

Outfall(s): 003

Only uncontaminated storm water may be discharged through this outfall.

Outfall(s): 004

Flow					1/week	Compos.
pH	See Special Condition No. 1				1/week	Grab
Temperature	See Special Condition No. 2				Weekly	Single Reading
Fats, Oil and Grease					1/week	Grab

Special Conditions

1. The pH shall be in the range 6.0 to 9.0.
2. The receiving waters are designated as Secondary Contact and Indigenous Aquatic Life Waters by Section 302.408, Illinois Administration Code, Title 35, Chapter 1, Subtitle C, as amended. These waters shall meet the following standard:

Temperatures shall not exceed 83°F (34°C) more than 5% of the time, or 80°F (37.3°C) at any time at the edge of the mixing zone which is defined by Rule 302.102 of the above regulations.

3. The permittee shall conduct a characterization survey for the purpose of minimizing to the maximum extent practical, the discharge of cokemaking process wastewater pollutants and ironmaking process wastewater pollutants from Outfall 004. The survey program shall consist of a 6-month period during the first year of the permit during which the permittee will endeavor to identify all significant sources of contaminated wastewaters discharged from the above listed outfall; will monitor all such identified sources; and, to the maximum extent practicable, will remove, or reduce through operation and maintenance procedures, the discharge of process wastewater pollutant to those outfalls. The survey program shall be followed by a 12-week effluent monitoring program for each outfall as set out below.

	No. of Samples to be taken over the Sampling Program	Sample Type
Flow		24-Hour Total
-Total Suspended Solids	30	24-Hour Composite
-Ammonia-N	30	24-Hour Composite
-Total Cyanide	30	24-Hour Composite
-Phenols (4AAP)	30	24-Hour Composite

4. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

5. The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

NPDES Permit No. IL0002403

Special Conditions

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
2000 South First Road
Springfield, Illinois 62706

Attention: Compliance Assurance Section

Additionally, Discharge Monitoring Report forms shall be mailed to United States Environmental Protection Agency in Chicago on a quarterly basis. The permittee shall submit the reports as follows, unless otherwise specified by the permitting authority.

Period	Report Due At U.S. Environmental Protection Agency
Jan, Feb, Mar	April 28th
April, May, June	July 28th
July, Aug, Sept	October 28th
Oct, Nov, Dec	January 28th

Reports shall be addressed to United States Environmental Protection Agency as follows:

NPDES Compliance Unit
United States Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60606

6. The permittee shall submit a completed Form 2c for Outfall 002 within 6 months from the effective date of this permit.